

Title (en)
DAMPER-INTEGRATED BLOWER HAVING IMPROVED AIRTIGHTNESS

Title (de)
IN EINEN DÄMPFER INTEGRIERTES GEBLÄSE MIT VERBESSERTER LUFTDICHTIGKEIT

Title (fr)
SOUFFLANTE A REGISTRE INTEGRE AYANT UNE ETANCHEITE A L'AIR AMELIOREE

Publication
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Application
EP 14787993 A 20140422

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Abstract (en)
[origin: EP2990658A1] The present invention relates to a damper-integrated blower 100 having improved airtightness that is characterized in that a blower casing a 105 on which a suction port 103 is formed and a blower casing b 106 located at the opposite side to the blower casing a 105, the outer periphery of the blower casing a 105 and the outer periphery of the blower casing b 106 being fastened to each other by means of a plurality of casing assembling protruding pieces; a vane stopper protrusion 104b is formed at the center of the bottom surface of the exhaust port 104 of the assembled blower 100, and a vane contact housing part 107 is formed above the exhaust port 104; damper motor screw fixing parts 105a are formed integrally with the outer upper surface of the vane contact housing part 107 adjacent to the exhaust port 104 of the blower casing a 105 on which the suction port 103 is formed and on the surface adjacent to the rear side of the upper side of the fixing frame 104a of the exhaust port 104; a damper motor shaft hole 105b is bored in the outer peripheral surface of the casing of the suction port 103 of a damper motor shaft hole protrusion part 105b' which is integrally formed on the outer upper side of the vane contact housing part 107 adjacent to the damper motor screw fixing parts 105a of the blower casing a 105; a vane rotation shaft 106a protrudes from the inner surface of a damper motor shaft hole protrusion part 105b' of the blower casing b 106 facing the damper motor shaft hole protrusion part 105b' of the blower casing a 105; an eccentric damper motor shaft 201a of a damper motor 201 is introduced into the damper motor shaft hole 105b of the blower casing a 105 so as to connect damper motor fixing brackets 210b facing the damper motor shaft hole 105b with the blower casing a 105; a vane 202B as a single member is connected to the damper motor shaft 201a and the vane rotation shaft 106a located on the inner surface of the damper motor shaft hole protrusion part 105b' so as to open and close the exhaust port 104; and a gasket 202A is coupled to the four edges of the vane 202B, thus providing a vane module 202 having the vane 202B and the gasket 202A assembled integrally with each other.

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• See references of WO 2014175629A1

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